



BAEXEM ARBORETUM

Solar powered Website

Low-energy web ecosystem hosted on a solar server. A solution blending 60s traditions of botanical collection with modern digital sustainability. A website that lives and evolves in harmony with nature.



NATURE HISTORY (History & Collection)

- **Established:** 1968, currently revived.
- **Live Collection:** 1600+ plants, 500-species.
- **Biodiversity:** Supports birds, insects & rare species.

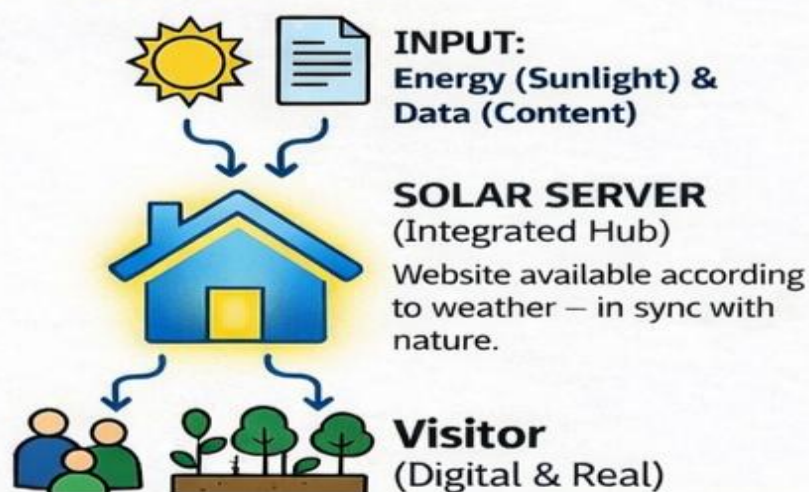


TECHNICAL INFRASTRUCTURE (Tech Stack)

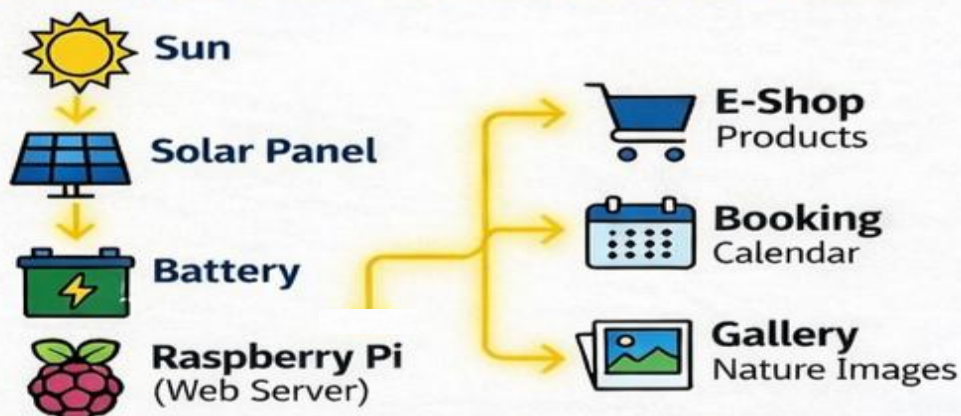
Hardware: Raspberry Pi
Power Source: 100% Solar Panel + Battery.
Data Storage: Photography, Archive
Optimization: Minimalistic Code.



SOLAR SERVER AS CENTRAL HUB (Input & Output Flow)



ENERGY & FUNCTION FLOW VISUALIZATION



CONCLUSION: PARADIGM SHIFT: From physical to digital reality, Baexem Arboretum: A place for study, relaxation, and inspiration in the digital age.